

ABSTRACT

[SUMMARY]

[OBJECT]

5 An object of the present invention is to provide a technology to measure a flow rate more accurately by reducing an identification error when identifying the inner wall position from calculation result of flow velocity distribution in an ultrasonic flowmeter.

[ORGANIZATION]

10 An ultrasonic flowmeter includes the fluid velocity distribution measuring means comprising: a graph output means for outputting a flow velocity distribution graph displaying the flow velocity in two axes of positions in the inner diameter direction of the fluid pipe relating to the measuring line and fluid velocities corresponding to the inner diameter direction; and an inner wall position calculating means for calculating the
15 position of the inner wall with respect to the axis in the inner diameter direction; in which the flow rate operation means measures the flow rate of a fluid to be measured by integral operation based on the inner wall position calculated by the inner wall position calculating means.

[SELECTED DRAWING] FIG. 3